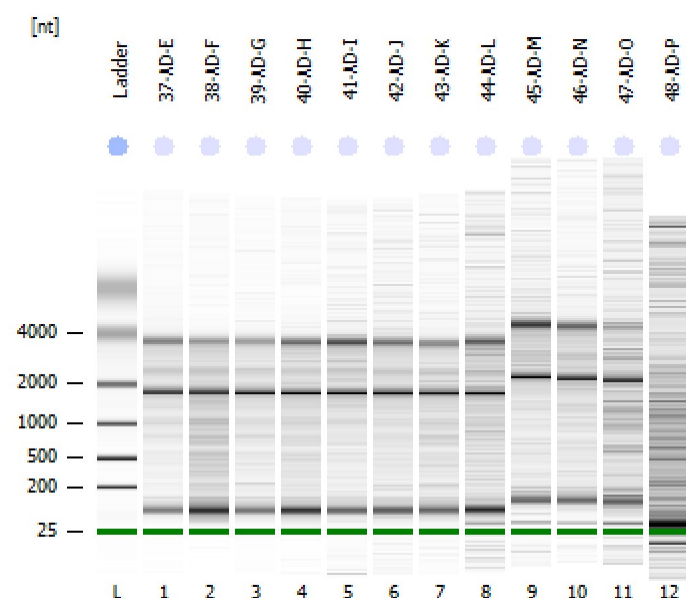


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE54700884 Firmware: C.01.069
Serial#: DE54700884 Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

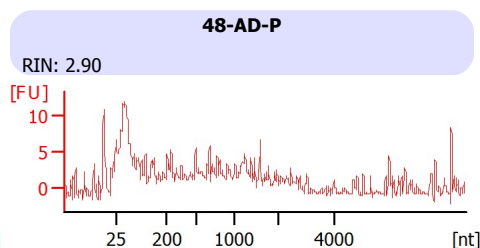
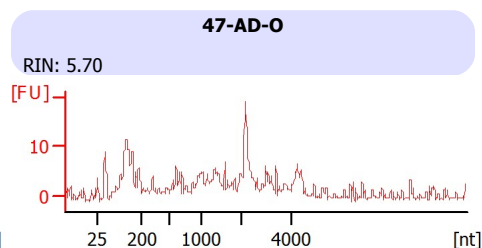
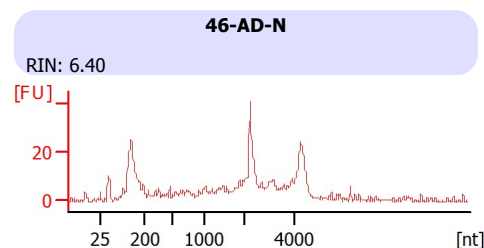
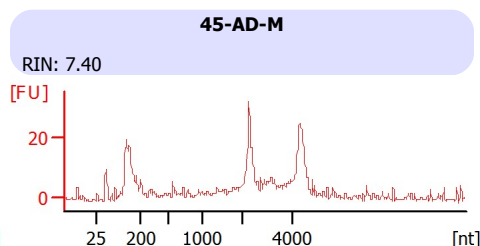
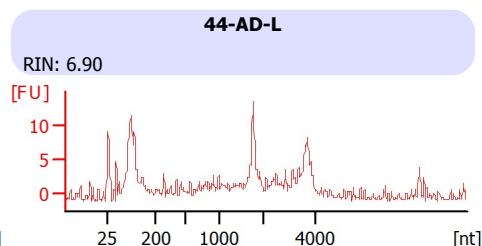
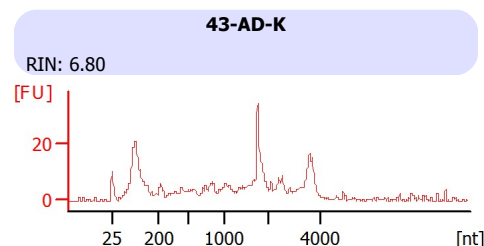
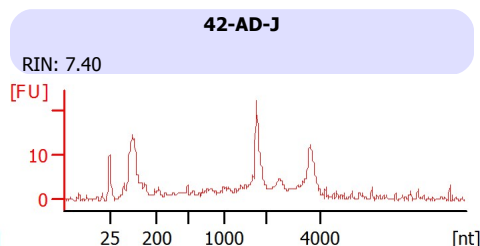
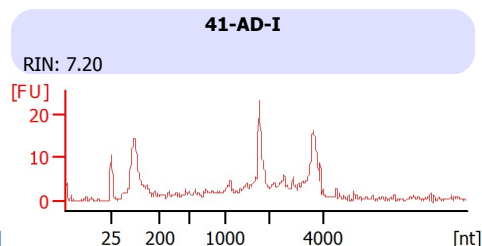
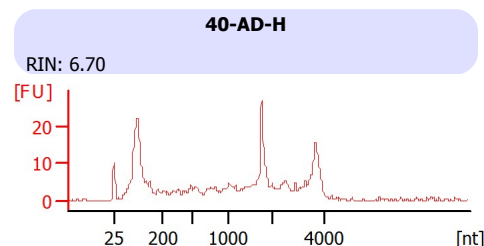
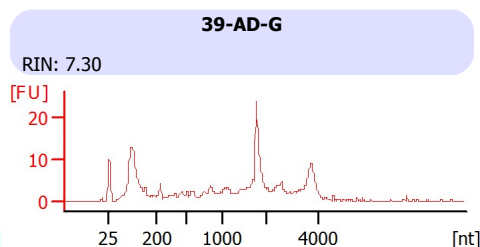
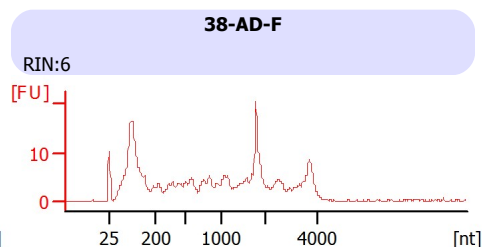
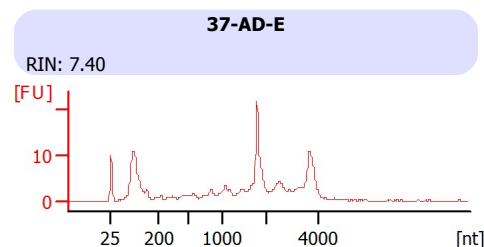
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
37-AD-E		✓	RIN: 7.40	
38-AD-F		✓	RIN: 6	
39-AD-G		✓	RIN: 7.30	
40-AD-H		✓	RIN: 6.70	
41-AD-I		✓	RIN: 7.20	
42-AD-J		✓	RIN: 7.40	
43-AD-K		✓	RIN: 6.80	
44-AD-L		✓	RIN: 6.90	
45-AD-M		✓	RIN: 7.40	
46-AD-N		✓	RIN: 6.40	
47-AD-O		✓	RIN: 5.70	
48-AD-P		✓	RIN: 2.90	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : .6
Height Threshold [FU] : .5
Area Threshold : .2
Width Threshold [s] : .5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : .5
Polynomial Order : 4

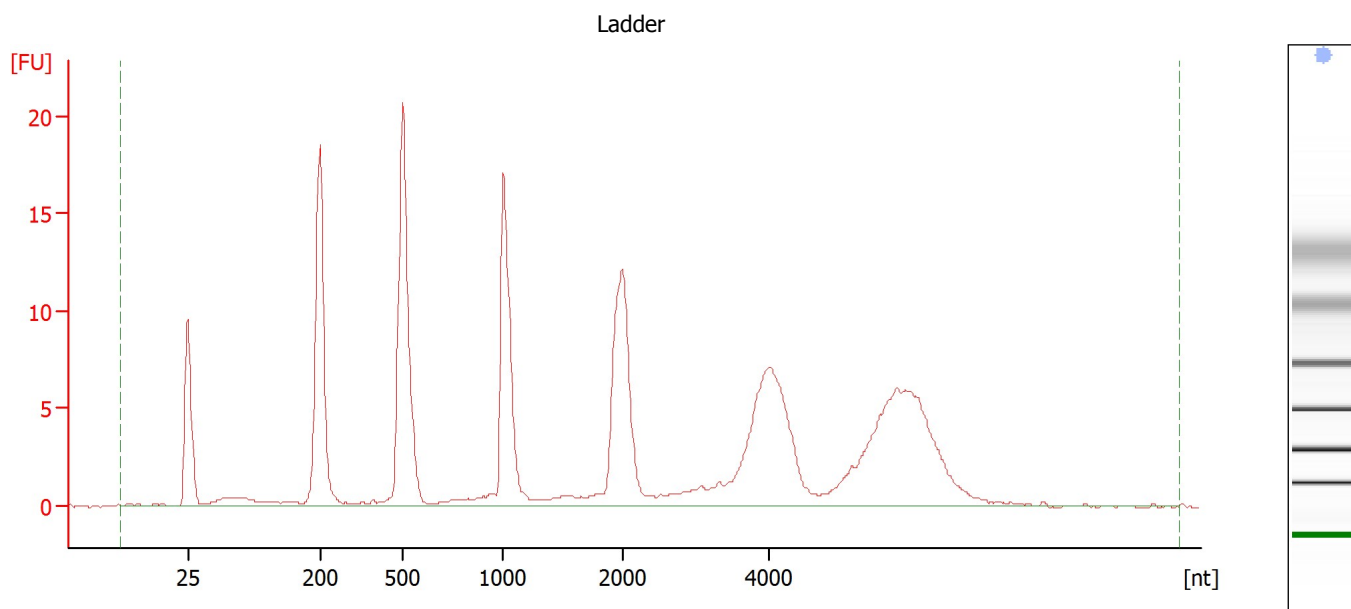
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary



Overall Results for Ladder

RNA Area: 197.6

Result Flagging Color:



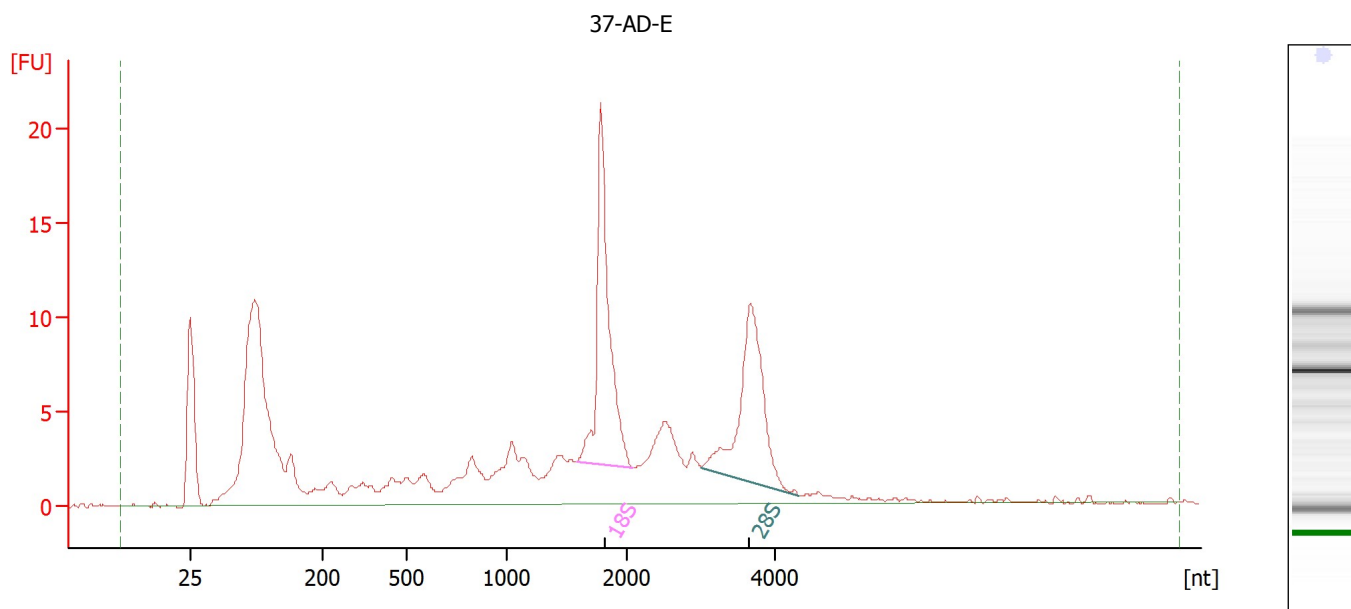
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 1 : 37-AD-E**

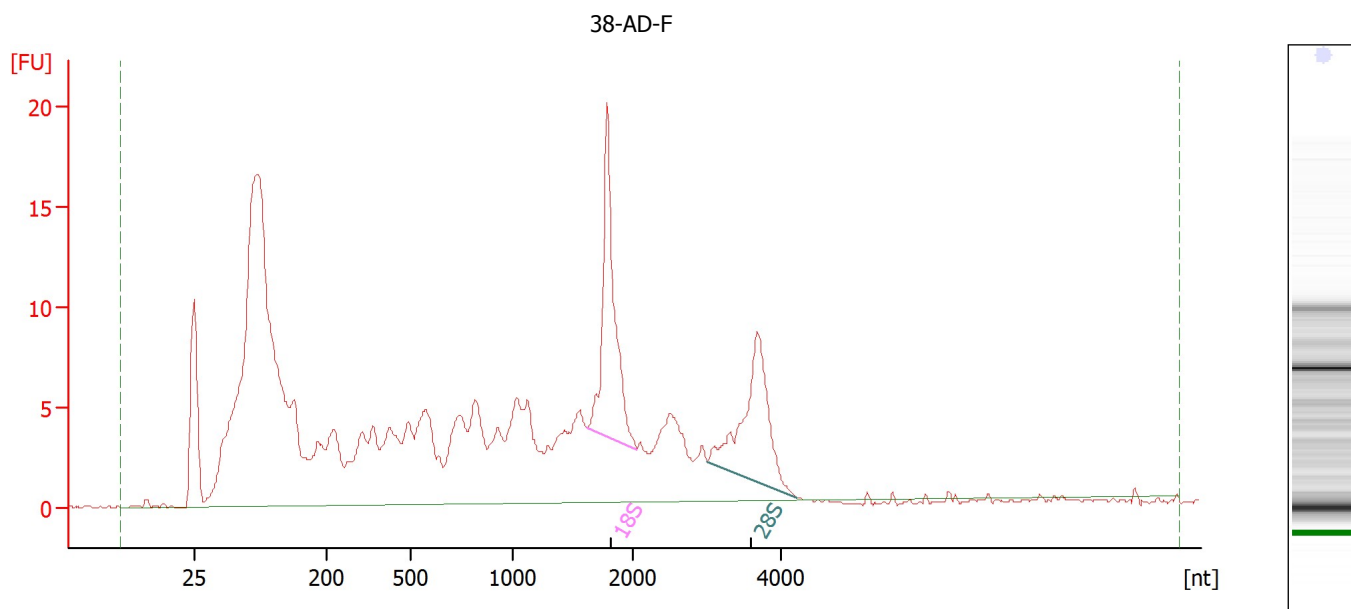
RNA Area:	211.6	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	161 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.40

Fragment table for sample 1 : 37-AD-E

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	2,089	28.1	13.3
28S	3,013	4,340	24.3	11.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 2 : 38-AD-F**

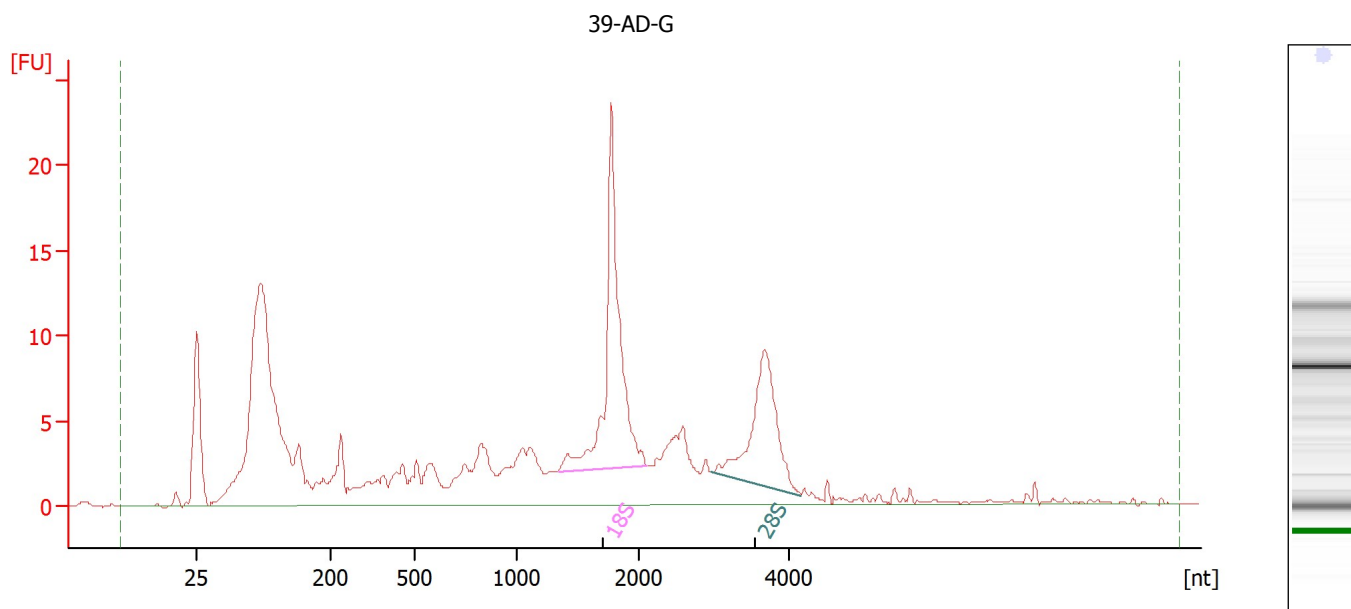
RNA Area:	340.8	RNA Integrity Number (RIN):	6 (B.02.08)
RNA Concentration:	259 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.9	Result Flagging Label:	RIN:6

Fragment table for sample 2 : 38-AD-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,621	2,064	23.5	6.9
28S	3,010	4,200	20.0	5.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 3 : 39-AD-G**

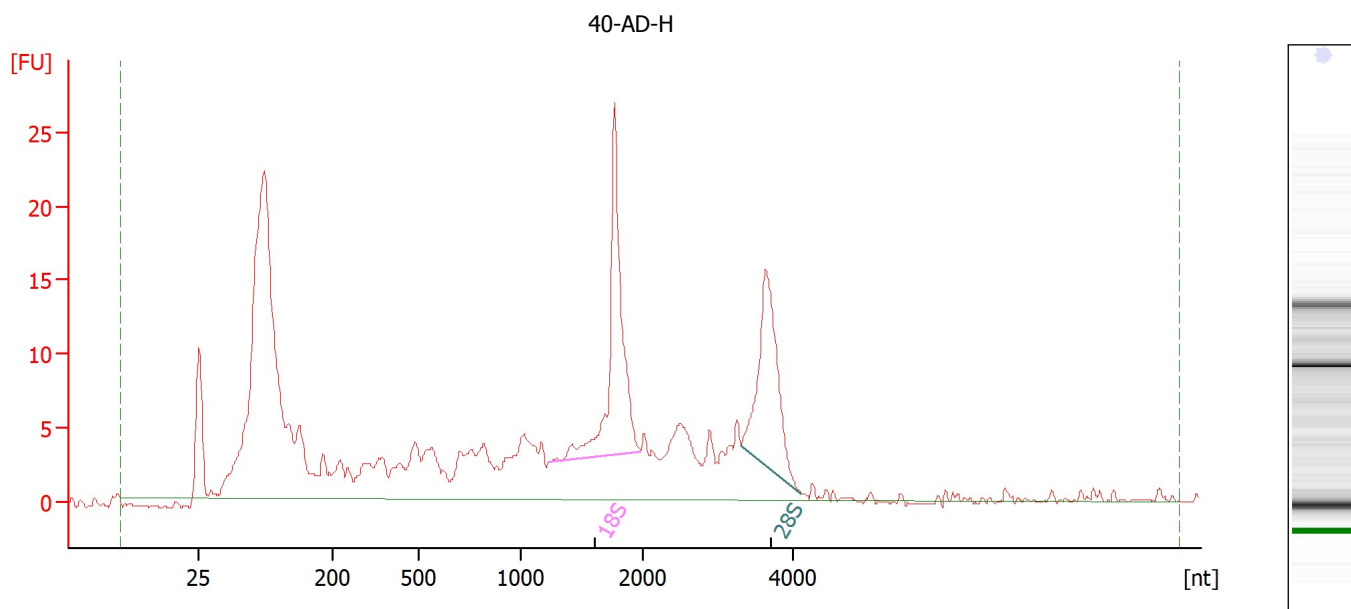
RNA Area:	255.1	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	194 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.30

Fragment table for sample 3 : 39-AD-G

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,334	2,111	35.5	13.9
28S	2,965	4,176	21.4	8.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 4 : 40-AD-H**

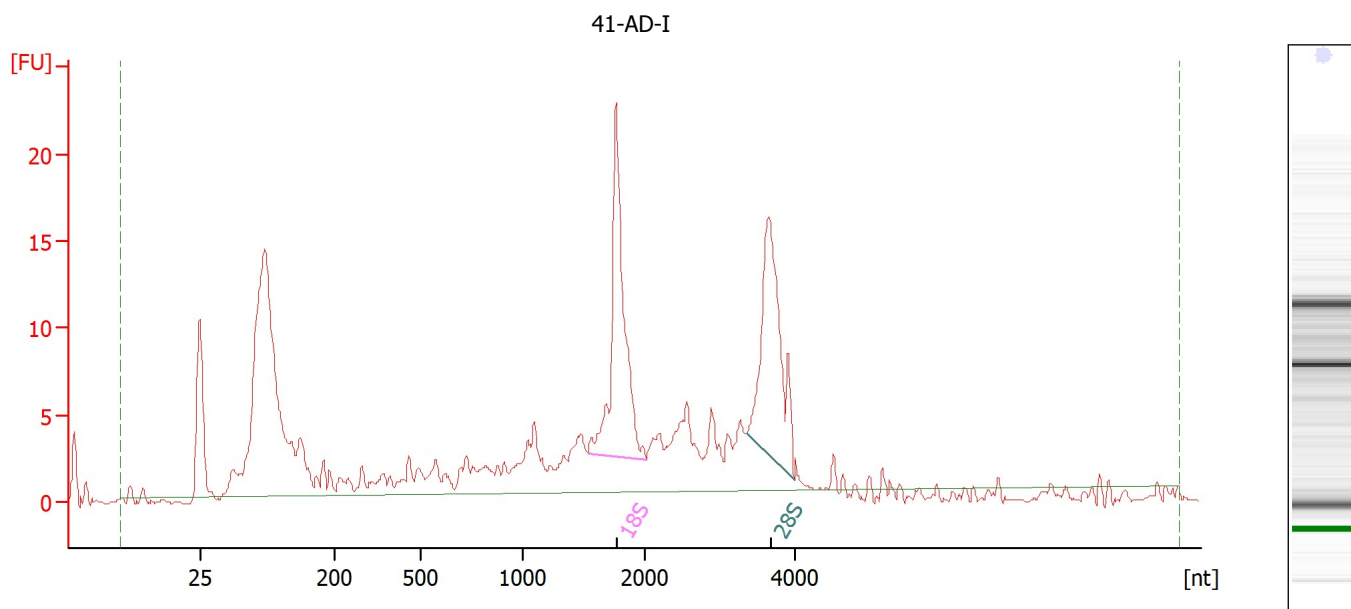
RNA Area:	351.5	RNA Integrity Number (RIN):	6.7 (B.02.08)
RNA Concentration:	267 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.70

Fragment table for sample 4 : 40-AD-H

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,233	1,991	34.8	9.9
28S	3,319	4,113	27.2	7.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 5 : 41-AD-I**

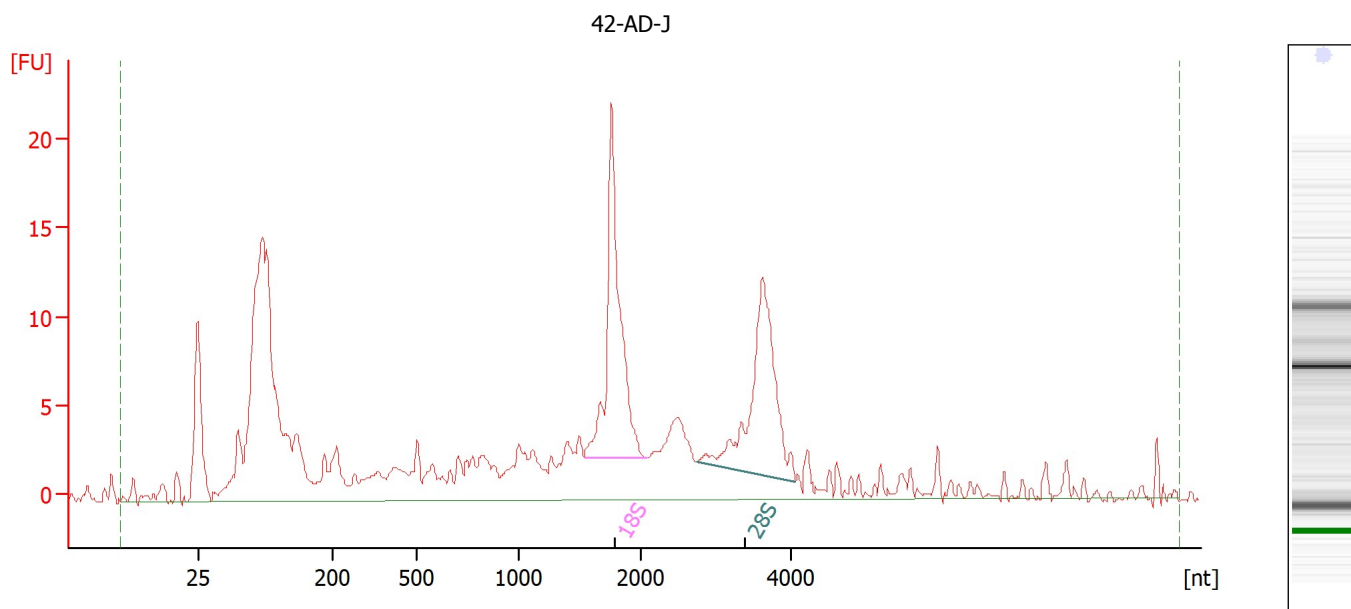
RNA Area:	241.5	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	183 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.20

Fragment table for sample 5 : 41-AD-I

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	2,030	30.1	12.5
28S	3,360	3,982	28.9	12.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 6 : 42-AD-J**

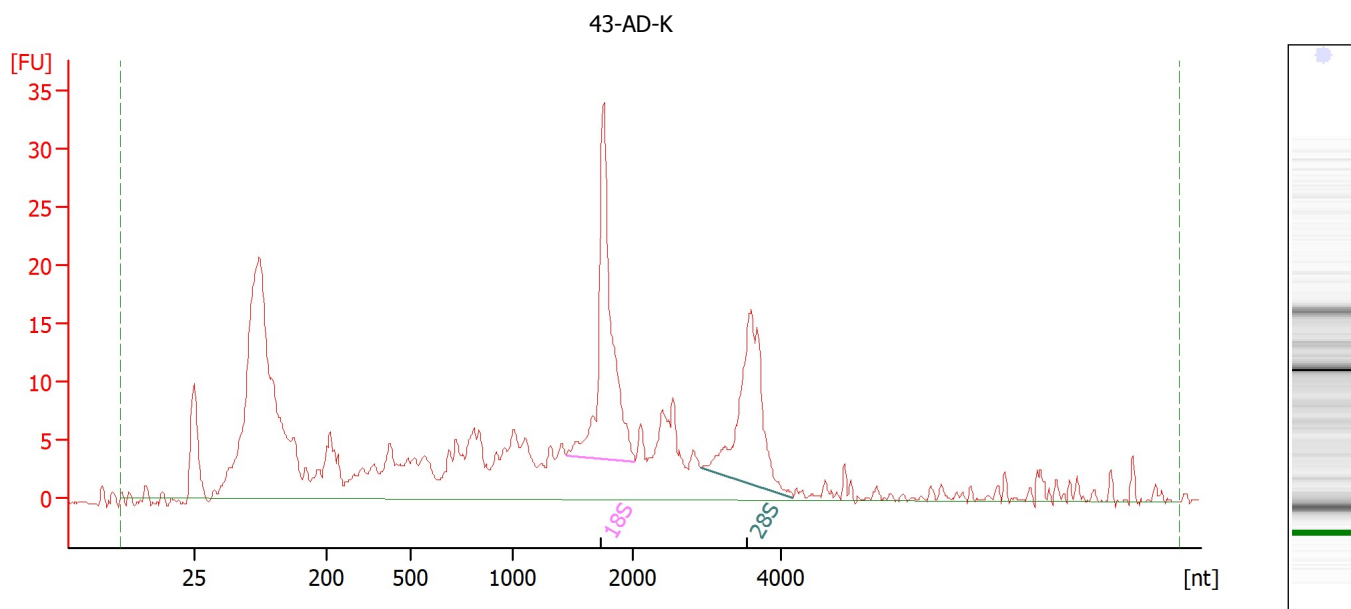
RNA Area:	288.3	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	219 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.40

Fragment table for sample 6 : 42-AD-J

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	2,084	32.0	11.1
28S	2,752	4,059	29.1	10.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 7 : 43-AD-K**

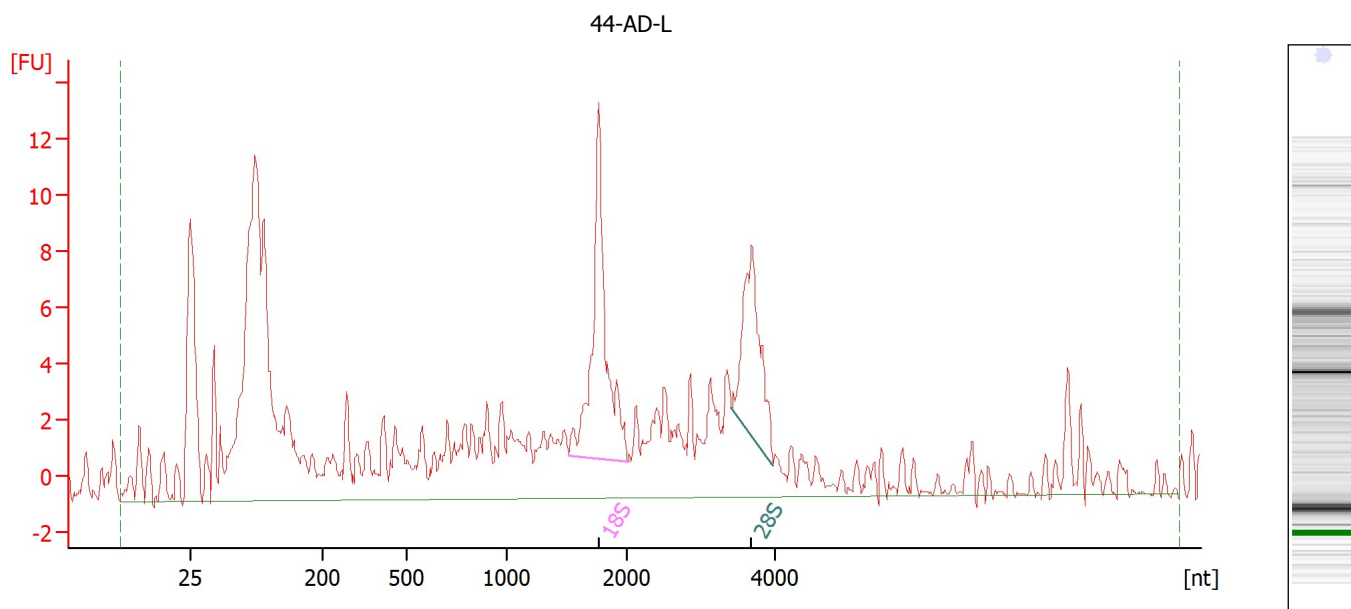
RNA Area:	413.9	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	314 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.80

Fragment table for sample 7 : 43-AD-K

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,452	2,036	47.5	11.5
28S	2,924	4,157	37.1	9.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 8 : 44-AD-L**

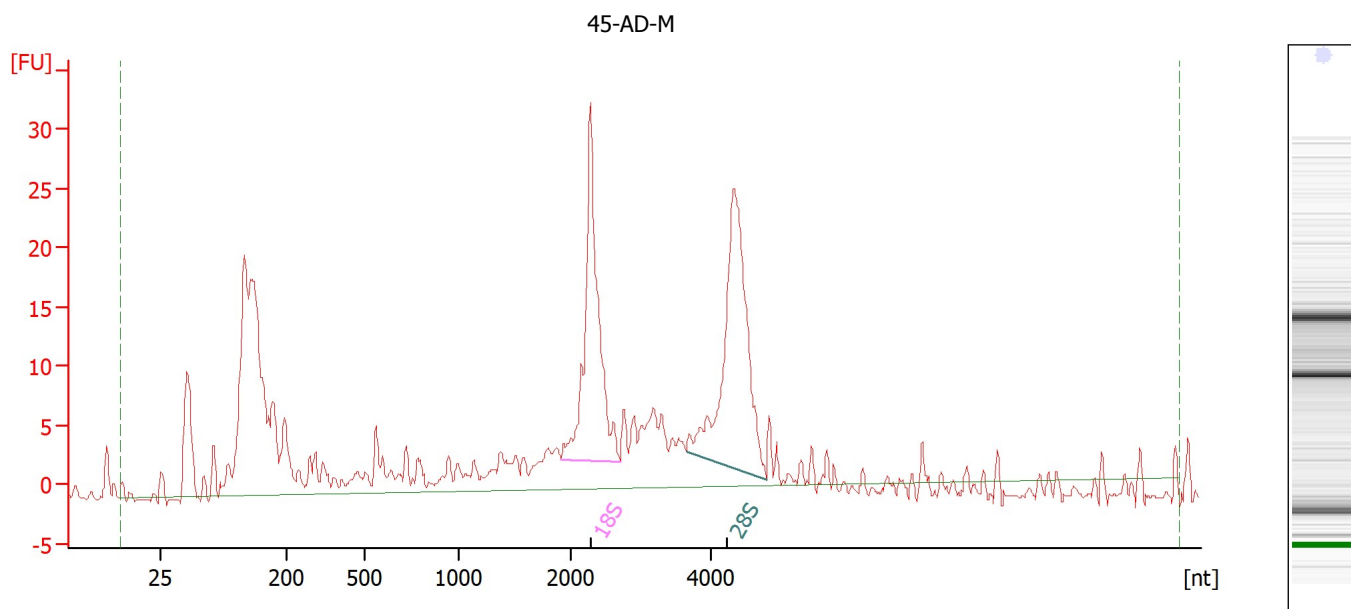
RNA Area:	246.3	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	187 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 6.90

Fragment table for sample 8 : 44-AD-L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,526	2,031	20.6	8.3
28S	3,417	3,994	12.7	5.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 9 : 45-AD-M**

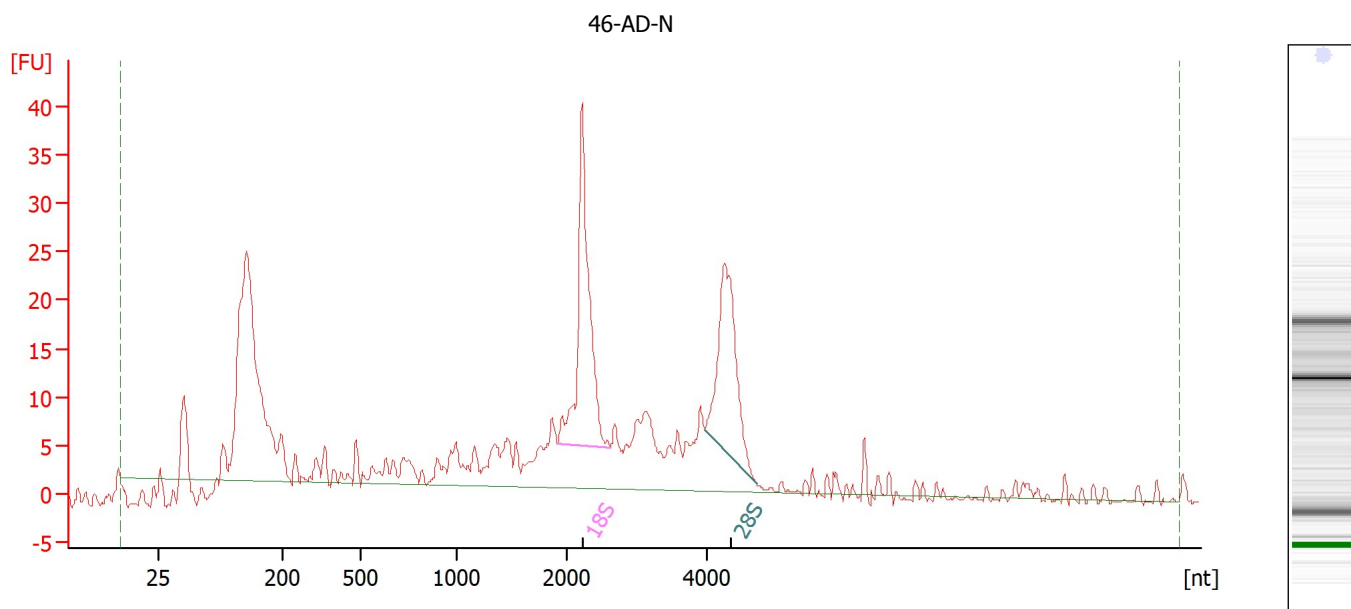
RNA Area:	391.4	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	297 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.40

Fragment table for sample 9 : 45-AD-M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,908	2,696	50.3	12.9
28S	3,647	4,797	61.2	15.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 10 : 46-AD-N**

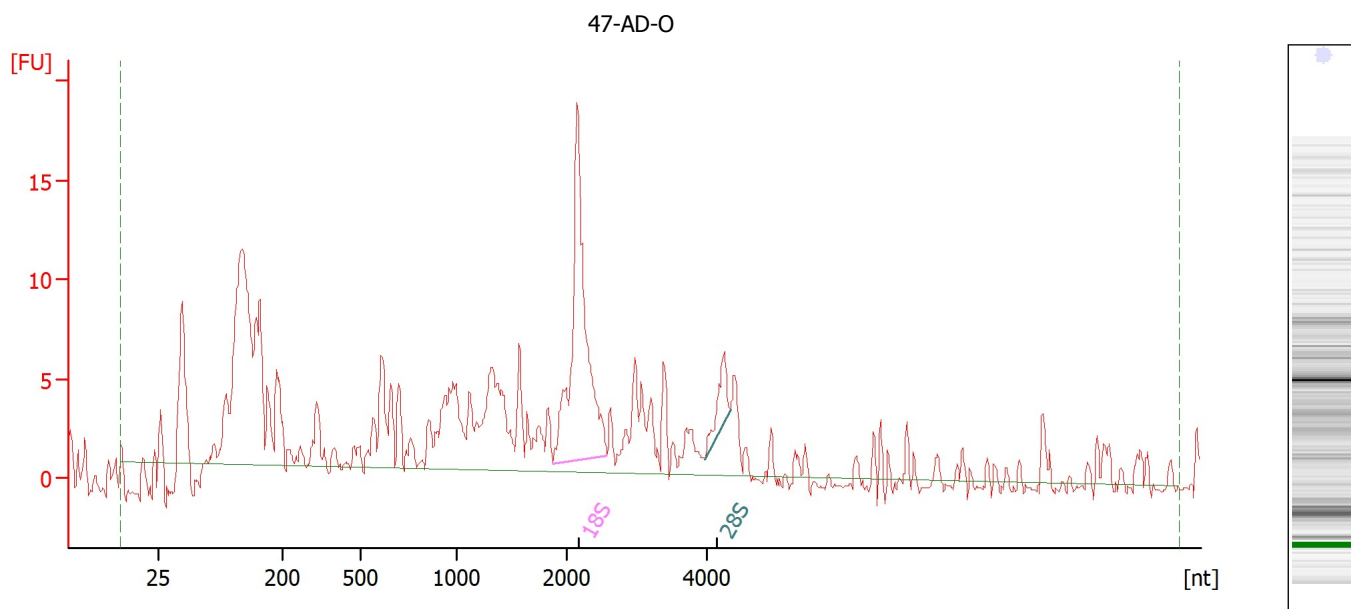
RNA Area:	404.6	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	307 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 6.40

Fragment table for sample 10 : 46-AD-N

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,906	2,619	50.5	12.5
28S	3,991	4,730	39.7	9.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 11 : 47-AD-O**

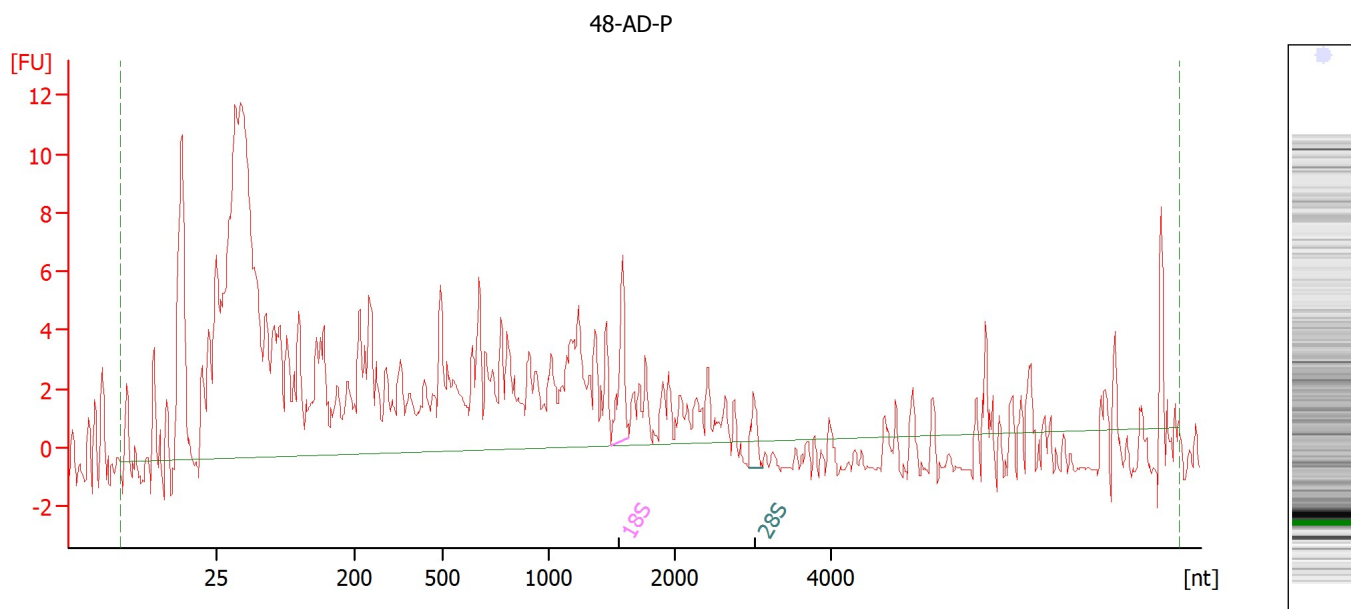
RNA Area:	231.1	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	175 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 5.70

Fragment table for sample 11 : 47-AD-O

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,877	2,573	32.1	13.9
28S	3,991	4,345	3.9	1.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Electropherogram Summary Continued ...**Overall Results for sample 12 : 48-AD-P**

RNA Area:	246.2	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	187 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 2.90

Fragment table for sample 12 : 48-AD-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,494	1,639	4.4	1.8
28S	2,941	3,119	1.8	0.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_10-32-31.xad

Created: 17/05/2023 10:32:30
Modified: 17/05/2023 10:55:35

Gel Image